

Supplemental Table S1. HLA and Graft Characteristics

a. Double Cord Cohort

Pt. #	omidubicel/ recip Conventional	UM/recip Conventional	omidubicel/recip Allelic (A,B,C, DRB1)	UM/recip Allelic (A,B,C, DRB1)	Engrafted unit/ recip Allelic (A,B,C, DRB1)	CD34+ omidubicel pre-cryo (x10 ⁵ /kg)	CD34+ omidubicel CF infused (x10 ⁵ /kg)	CD34+ UNM pre-cryo (x10 ⁵ /kg)	CD34+ UNM infused (x10 ⁵ /kg)
1	5/6	5/6	7/8	5/8	5/8	4.93	195.1	3.01	0.9
2	4/6	4/6	6/8	4/8	4/8	2.25	38.4	2.55	1.69
3	4/6	5/6	4/8	5/8	n/a	3.68	173.0	0.59	0.62
4	4/6	4/6	6/8	5/8	6/8	2.70	65.7	1.84	0.38
5	4/6	4/6	4/8	4/8	4/8	3.96	127.1	1.52	0.8
6	4/6	4/6	4/8	5/8	5/8	5.84	87.4	5.11	2.41
7	4/6	4/6	5/8	2/8	2/8	2.07	93.8	1.02	0.57
8	4/6	5/6	4/8	5/8	4/8	3.94	123.6	1.23	0.07
9	4/6	4/6	6/8	5/8	5/8	1.75	44.9	0.83	0.66
10	4/6	4/6	4/8	4/8	4/8	3.42	137.9	4.33	4.89
11	4/6	4/6	5/8	5/8	5/8	4.70	144.2	2.15	0.9
12	4/6	5/6	3/8	5/8	5/8	2.44	126.1	0.40	0.58
13	4/6	4/6	5/8	4/8	4/8	1.57	25.5	1.77	1.67

Recip=recipient

b. Single Cord Cohort

Pt. #	omidubicel/ recipient	CD34+ omidubicel pre-cryo (x10 ⁵ /kg)	CD34+ omidubicel CF infused (x10 ⁵ /kg)
1	4/6	1.87	92.8
2	4/6	2.94	189.9
3	4/6	2.85	160.9

Supplement Table S2: Complications

Pt. no.	Non-infectious complications	Infections	Survival Status
	Double cord		
1	PRES Acute subdural hemorrhage	C. difficile CONS bacteremia HHV6 viremia, CMV infection (lungs, renal)	Alive
2	Ovarian failure	Pseudomonas bacteremia CMV viremia Hemorrhagic cystitis with BK virus	Alive
3	Graft failure	Enterococcus gallinarium bacteremia (VRE) CMV viremia 2nd transplant: Recurrent enterococcus, citrobacter, CMV viremia, adenoviremia, Renal failure, Respiratory failure	Died D137 - Infectious complications after 2nd transplant
4	DVT	Hemorrhagic cystitis with BK virus	Alive

	Drug induced hyperglycemia Ovarian failure	HHV6 viremia	
5	AVN Hypovolemic shock Drug induced hyperglycemia Ovarian failure		Alive
6	Transplant Infusion reaction	CONS bateremia Enterobacter cloacae septicemia	Alive
7	Seizure due to busulfan Drug induced hyperglycemia DVT Gonadal insufficiency MSOF (Hepatorenal, pulmonary)	Herpes virus keratitis C.difficile enteritis VRE , Enterobacter bateremia VRE, Candida, stenotrophomonas biliary infection	Died D241 - Liver GVHD
8	PRES Ovarian failure	Pansinusitis Adenoviral enteritis Norovirus enteritis	Alive

		HSV stomatitis C. difficile enteritis	
9	Drug induced hyperglycemia	Acinetobacter bactermia CMV viremia	Alive
10	PRES Anal fissure Ovarian failure	UTI (Acenetobacter, enterococcus) C. difficile enteritis Hemorrhagic cystitis with BK virus CMV, HHV6 viremias	Alive
11	Immune thrombocytopenia Ovarian failure	CMV, HHV6 viremia	Alive
12	Hypothyroidism Ovarian failure	C. difficile enteritis H. pylori gastritis CMV retinitis HHV6 viremia	Alive
13	Pulmonary embolism Ovarian failure	Staphylococcus aureus cellulitis, CONS bacteremia Yersinia enteritis	Alive

		Hemorrhagic cystitis with BK virus	
	Single cord		
1	VOD, Renal failure		Alive
2			Alive
3	Graft failure	CMV viremia	Alive